

ABSTRACT OF THE DISCLOSURE

The present invention includes methods of increasing the power handling capability of a power line. One method of the present invention includes providing a conductor configured to transmit energy intermediate plural locations; supporting the conductor at a plurality of positions intermediate the locations, the supporting at a plurality of positions defining a plurality of spans of the conductor; creating a model of the conductor; identifying a critical span; altering the modelled conductor responsive to the identifying; and analyzing the modelled conductor following the altering.

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